Avid

Avid Unity MediaNetwork

Version 4.1 Release Note Rev C

Important Information

This Rev C release note is an update from the release note that shipped on the 4.1 CD-ROM.

Important: Search the Avid Knowledge Base for the most up-to-date release notes, which contain the latest information that might have become available after the documentation was published.

This document describes the prerequisites and how to install the new client software for the Mac OS X 10.4.2 and Mac OS X 10.2.6 operating system to allow Macintosh clients to work as a 2-Gb or 4-Gb client. The existing 4.0 release notes explain all other information regarding the Avid Unity MediaNetwork system.

Documentation for the Avid Unity MediaNetwork system is provided on .pdf files located on the 4.0 documentation CD-ROM.

> *Avid Unity MediaNetwork v4.0 contained a problem with a client running Mac OS X 10.2.6. When a 2-Gb ATTO 3300 board was connected to a MEDIASwitch 16-4G the client driver did not see all of the attached storage, even after the new driver for the ATTO board was installed. That problem has been fixed in v4.1.*

Who Should Use This Release

The v4.1 release is required for all clients running Mac OS X 10.4.2 or later and for Mac OS X 10.2.6 clients when a 2-Gb ATTO board is connected to a MEDIASwitch 16-4G.

All other Macintosh clients should run Avid Unity MediaNetwork v4.0.

Overview

This Avid Unity MediaNetwork v4.1 point release was created for Macintosh customers who need to run Mac OS X 10.4.2 on an Avid Unity MediaNetwork v4.0 system. This release consists of Avid Unity MediaNetwork Macintosh client software, the needed drivers, firmware, and configuration tool for the 3300 (2-Gb) and Celerity FC-41XS (4-Gb) ATTO boards.

The Celerity board is new and Avid has loaded the proper firmware on the board prior to delivery to your system.

You should receive the following Avid Unity MediaNetwork data/information with when you download the release from the Avid Knowledge Base:

- This v4.1 point release note.
- The needed software for your Macintosh client, the proper drivers, firmware, and configuration tool for your ATTO board.
- Firmware for the MEDIASwitch 16-4G.

You must write down where you download and place the software on your system.

New Firmware for the MEDIASwitch 16-4G

There is a problem during initialization with the 2-Gb ATTO 3300 board on a PC when connected to a MEDIASwitch 16-4G. When the 2-Gb ATTO 3300 board issues a command to discover the number of drives attached the MEDIASwitch 16-4G does not recognize this specific command and skips the lowest numbered port with storage connected to it. The solution is to load new version 5.0.0.23.00 firmware into the MEDIASwitch 16-4G.Avid recommends that you load the new firmware even if you have only Macintosh clients.

Differences between 4-Gb and v4.0 Software

The hardware and software prerequisites for the use of any 4-Gb infrastructure in the Avid Unity MediaNetwork system are totally different than the prerequisites for just upgrading to v4.0 using existing 2-Gb infrastructure. These differences are explained in the Avid Unity MediaNetwork v4.0 Release Notes located on the v4.0 Documentation CD-ROM.

Using the Avid Unity MediaNetwork Help

Avid Unity MediaNetwork Help is designed to work with Internet Explorer (IE). If you performed a clean install of 10.4.2 the IE program wasn't included. If you upgraded to 10.4.2, the IE program is most likely still on your drive from the older version of Mac OS X. if you do not have it, you can download IE for free from a Microsoft website. This should be done prior to loading the v4.1 point release.

Hardware and Software Requirements

The requirements for using the Mac OS X 10.4.2 operating system with an Avid Unity MediaNetwork system are as follows:

Software Requirements

You need the following Avid software to use the Mac OS X 10.4.2 operating system with an Avid Unity MediaNetwork system:

- Avid Unity MediaNetwork v4.0

- This v4.1 point client software release

- Proper drivers for the 3300 and Celerity ATTO boards

The following table provides a list of Macintosh drivers needed to support the 2-Gb ATTO 3300 board in both the 2-Gb and 4-GB environment as well as the 4-Gb ATTO Celerity board in the 4-Gb environment.

Drivers for 2-Gb ATTO board in the 2-Gb Environment

OS Version	ATTO 3300 Driver	ATTO 3300 Firmware	ATTO Celerity Driver	ATTO Celerity Firmware
Mac OS X 10.4.2 or later	2.4.1[a]	2.4	NA	NA
Mac OS X 10.2.6	2.2.1f2	2.4	NA	NA

a. Only available in Avid Unity v4.1 client

It is important to realize that 2-Gb ATTO 3300 boards work in a 4-Gb environment, but only in 2-Gb mode. Only the ATTO Celerity board, working with the new MEDIASwitch 16-4G and the MEDIArray ZX4, will provide 4-Gb performance.

Drivers for 2-Gb and 4-Gb ATTO boards in the 4-Gb Environment

OS Version	ATTO 3300 Driver[a]	ATTO 3300 Firmware	ATTO Celerity Driver	ATTO Celerity Firmware
Mac OS X 10.4.2 or later	2.4.1	2.4	2.1.1[b]	Loaded on board
Mac OS X 10.2.6	2.4.1	2.4	NA	Loaded on board

a. Only works in 2-Gb mode within the 4-Gb environment.
b. Only available in Avid Unity v4.1 client.

- v 2.4 ATTO firmware for ATTO 3300 boards — If you have an existing 3300 board you might need to upgrade your firmware to v2.4. You must use/load the ATTO configuration tool to perform this operation.
- Two different ATTO configuration tools are needed depending upon the ATTO board you are using:
    - v2.5 of the Configuration Tool for ATTO 3300 boards
    - v3.01 of the Configuration Tool for ATTO 4-Gb Celerity board

Hardware Requirements

If you have an Macintosh system running Mac OS X 10.4.2 that is running on hardware supported by Avid editors v1.8 of Media Composer Adrenaline or v4.8 of Avid Xpress Pro you have the required hardware to run Avid Unity MediaNetwork v4.1.

Requirements for your MediaNetwork system can be found in the Avid Unity MediaNetwork v4.0 Release Notes.

Installing the Software

Installing the software should be done in the following order *after* Avid Unity MediaNetwork v4.0 is installed:

- Install ATTO drivers and firmware (if needed) on your Macintosh client system
- Loading new v5.0.0.23.00 firmware into the new MEDIASwitch 16-4G
- Install v4.1 on your Mac OS X 10.4.2 or later client or when a Mac OS X 10.2.6 client has a 2-Gb ATTO board connected to a MEDIASwitch 16-4G.

When installing software on the Macintosh system you will need the Administration Password.

Installing ATTO Drivers and Firmware on Mac OS X Systems

The following sections describe how to upgrade ATTO firmware and drivers for the Mac OS X operating system using the Avid Media Composer Adrenaline v1.8 or Avid Xpress Pro v4.8. Loading the drivers and firmware for the ATTO boards on Windows Operating system can be found in the Avid Unity MediaNetwork V4.0

If you already have a version of the Avid client on your system you should uninstall the old version before installing v4.1.

Installing the ATTO Configuration Tool

The ATTO Configuration Tool allows you to:

- Upgrade the firmware required for the ATTO 3300 Fibre Channel adapter board in Mac OS X clients.

- Display adapter specific settings.

- Display connected devices.

To install the ATTO Configuration Tool:

1. Insert the v4.1 CD-ROM into the Macintosh client CD-ROM drive.

2. Disconnect the Fibre Channel cable from the ATTO Fibre Channel adapter board in the Mac OS X client.

3. On the MediaNetwork CD-ROM, navigate to

   For ATTO 3300 - Drivers_Firmware_Mac\HostBusAdapters\ATTO\Utilities\OSX\2.5

   For 4-Gb Celerity - Drivers_Firmware_Mac\HostBusAdapters\ATTO\Utilities\OSX\301

4. Double-click Configuration application (.app). The ATTO Configuration Tool window opens.

5. Click the lock at the bottom of the window to make changes and type a user name and password that has Administrator permissions in the Authenticate Window.

6. Click OK. The Introduction screen appears.

7. Click Next. The License screen appears.

8. Read the license and select "I accept the terms of the License Agreement."

9. Click Next.

   The Choose Install Folder screen appears.

10. Click Next. The Pre-Install Summary screen appears.

11. Click Next. The Install Complete screen appears.

12. Click Done.

13. Reconnect the Fibre Channel cable.

14. Restart the Mac OS X client.

Upgrading the ATTO Driver

In a Mac OS X environment, when a 2-Gb ATTO 3300 board is connected to a MEDIASwitch 16-4G they cannot find any 4-Gb storage arrays (MEDIArray ZXs). This issue is fixed by loading new drivers in the 2-Gb ATTO 3300 boards that are connected to the MEDIASwitch 16-4G.

Avid Unity MediaNetwork v4.0 contained a problem with a client running Mac OS X 10.2.6. When a 2-Gb ATTO 3300 board was connected to a MEDIASwitch 16-4G the client driver did not see all of the attached storage, even after the new driver for the ATTO board was installed. That problem has been fixed in v4.1.

After you install the ATTO configuration tool, you need to upgrade the ATTO driver.

To upgrade the ATTO Fibre Channel driver:

1. Insert the MediaNetwork CD-ROM into the Macintosh client CD-ROM drive.

2. Disconnect the Fibre Channel cable from the ATTO Fibre Channel adapter board in the Mac OS X client.

3. On the MediaNetwork CD-ROM, navigate to one of the following:

   For a 2-Gb infrastructure with ATTO 3300 board —
   Driver_Firmware_Mac\HostBusAdapter\ATTO\Drivers\OSX\3300\2.4.1
   For a 4-Gb Infrastructure for ATTO Celerity FC41XS board —
   Driver_Firmware_Mac\HostBusAdapter\ATTO\Drivers\OSX\Celerity_FC41XS\2.1.1

4. Double-click the appropriate package at that location.

5. The Welcome window opens click Continue.

6. The License screen appears, click continue.

7. Click Agree to the dialog box.

8. The Easy Install screen opens, click Install.

9. Type a user name and password that has Administrator permissions in the Authenticate Window.

10. Click Install. When the driver installation finishes, the Important Information screen appears indicating that you need to restart the Mac OS X client.

Loading Firmware into the MEDIASwitch 16-4G

> *V4.0 of the Avid Unity MediaNetwork software is a prerequisite for using MEDIASwitch 16-4G.*

To load the firmware into the MEDIASwitch 16-4G you need the following:

- The new version 5.0.0.23.00 firmware

- A crossover cable

- An installed Avid Unity system with SANsurfer software installed on a PC. This would normally be the File Manager.

To load the new firmware:

> *If you have two MEDIASwitch 16-4Gs and the File Manager and switches are connected to an Ethernet network, you should turn off one switch before running MediaSwitch Manager 16 software for the first time to configure the switch IP addresses. This prevents the software from seeing duplicate IP addresses that can cause it to not recognize either switch. See the* Avid Unity File Manager's Setup Guide f*or information.*

To install MEDIASwitch 16-4G software:

1. Download the new v5.0.0.23.00 firmware onto the local disk that contains the SANsurfer software and write down the location.

2. Click the Start button and point to Programs, SANsurfer Switch Manager, and select SANsurfer Switch Manager.

> *If you have previously stored the default fabric view you will be asked to enter the encryption code. Do not type anything in, just click OK and continue to step 4.*

3. Click one of the following:

▸ If you have a view already loaded click Load View File - Go to Step 7

▸ If you do not have a view already loaded click Continue Without Loading View — Go to step 4.

4. Click Add. (this requires IP address, login, and password) and click Proceed.

   The Add a New Fabric window opens.

5. Enter the following:

   - The IP address of the switch For example; 192.168.1.129

   - At login: enter `admin`

   - AT password: enter `password` (all lower case)

6. Click Add Fabric

7. A Non-secure connection window opens, click OK.

   The Topology window opens, showing you the selected switch in your Fabric.

8. Click the handle in the left pane of the window. This displays the switches that are in your Fabric using the Switch Faceplate view.
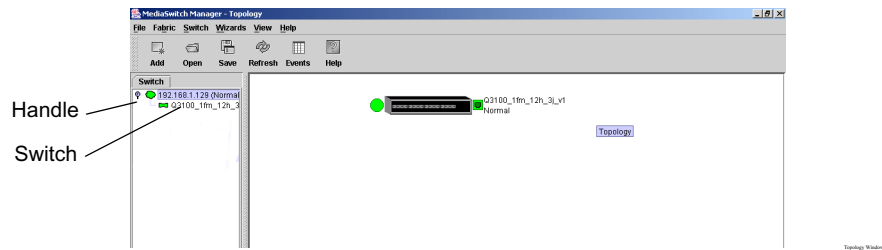
9. Double-click the Switch in the left pane that you need to load firmware.

10. From the Switch Menu select Load Firmware. The Load Firmware window opens.

11. Click Browse from the Load Firmware window and browse to the location of the new v5.0.0.23.00 firmware file.

12. Select the file and click Open.

13. From the Load Firmware Window click the Start button.

   A Firmware Upload Message box opens.

14. Click OK to continue the installation.

   When completed an "Activate Successful" message appears.

15. Click "Close" to exit the Firmware Utility when the firmware has been loaded.

16. Close all open windows and programs.

Loading the V4.1 Client Software

When you downloaded and unstuffed the software from the download center you should have written down the specific location the data was placed on the drive.

If you already have a version of the Avid client on your system you should uninstall the old version before installing v4.1.

Although the 4.1 client release is really only needed for the OS X 10.4.2 and later software, it functions properly on all Max OS X clients.

To load the 4.1 software:

1. Go to the location of the software and go to:

   MN41_RC1:

2. Double click the Avid MediaNetwork Install file.

3. Follow instructions until the software is installed.

Copyright and Disclaimer